

**SECRET**

29 JUN 1982

CCD-M72-570

Chief, Staff Communications Division, OC

THRU : Chief, Program Coordination Staff, OC

Chief, Covert Communications Division, OC

25X1A Area Expansion of [REDACTED] Micro-Min Room

25X1A 1. In 1966, the CCD [REDACTED] converted their old conference room into a "clean room" to be devoted to the design, development, and manufacture of miniature hybrid circuits. In the early years, most of the effort was placed on the development and standardization of a technique. This effort was carried out by a staff of one Electronic Engineer and one Assembler.

2. Today this technique has long been established and the processes standardized. The micro-min facility can now process 5,000 circuit module units per year and design and lay out 100 new circuit types per year. The staff now assigned to this activity is one Electronic Engineer, one Electronic Technician, one Co-op student, and three Precision Assemblers.

3. Unfortunately, growth in staff and productivity usually requires growth in facility and this is no exception. The present facility is inadequate, inefficient, and uncomfortable to work in. Some of the features urgently needed, and what area expansion will provide, are:

a. Relief for the extremely crowded conditions that presently exist.

b. Accommodations for the increased workload and allowances for further increases.

c. More work stations. This will allow processing more micro-modules and module types at one time.

d. Better arrangement of work stations for improved efficiency and comfort.

e. A permanent dark room. The present one is a makeshift affair, utilizing Product Engineering Branch's conformal coating and encapsulation room.

f. Allowance for automated test equipment (already on hand) for testing integrated circuits incorporated into hybrid circuitry.

g. Allowance for new equipment and technique as the State-of-the-Art develops.

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GROUP 1 Excluded from automatic downgrading and declassification
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CCD-M72- 270

SUBJECT: Area Expansion of [REDACTED]  
Micro-Min Room

25X1A

4. The construction of the double deck vault adjacent to the CCD Laboratory building is scheduled to begin this summer. This construction includes a \$10,000.00 allowance for additional and oversize footings for future construction of the micro-min expansion area (See attachment 1).

5. Micro-min expansion will be gained by the construction of a double deck annex to [REDACTED] (See Attachment 2). This annex, which will create 420 square feet of floor space per deck, will fill the void between the new vault and the existing building. The upper deck will be available to the Special Programs Center for additional laboratory space.

6. The [REDACTED] Engineering Division has estimated the cost to be \$25,000. They have also proposed that they perform the A&E, let the contracts, and monitor construction.

7. We are, therefore, requesting that you give consideration in the FY-73 OC Real Estate and Construction Program for the [REDACTED] Micro-Min area expansion. We will appreciate being kept advised of any action you take relating to this request. If you require additional information relating to specific technical requirements, you may contact Mr. [REDACTED] on [REDACTED]. At Headquarters, you may contact [REDACTED] on [REDACTED]. Should you require information relative to the administrative details of this request.

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**2 Atts**

Att 1: OC-M71-690

Att 2: Sketch of  
Micro-Min Expansion**Distribution:**

Original & 1 - Addressee w/atts → 1 - Chief, PCS, OC w/o atts  
1 - CCD/[REDACTED] Subj File  
1 - CCD Chrono  
1 - CCL Chrono  
1 - PEB Chrono

25X1A

OC-CCD/[REDACTED] 21 June 1972

25X1A

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25X1A

AUTH: OC-CCD [REDACTED]

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# MISSING PAGE

ORIGINAL DOCUMENT MISSING PAGE(S):

attachment